

## Steven Rehn Biography

Steven Rehn is a research engineer at the FAA Technical Center's Fire Safety Branch. He started working there as a co-op student from Drexel University in 2011 where most of his work concentrated on aiding in the development of the next-gen sonic oil burner. After graduating with his B.S. in Mechanical Engineering in 2012, he was awarded a graduate fellowship by the FAA allowing him work towards a Master's degree at Rutgers University. For his thesis, he researched the flammability properties of hydrogen at sub-atmospheric pressures and reduced oxygen concentrations in relation to hydrogen fuel-cell use in commercial aircraft. After graduating with his M.S. in Mechanical Engineering in 2014, he was hired full-time as a research engineer for the materials section of the FAA Fire Safety Team. Since then he has mainly been working on updating and improving the radiant panel test method for thermal/acoustic insulation, testing various types of 3D printed materials and printing parameters in order to simplify future testing, and creating a new test method for electronic boxes in aircraft.